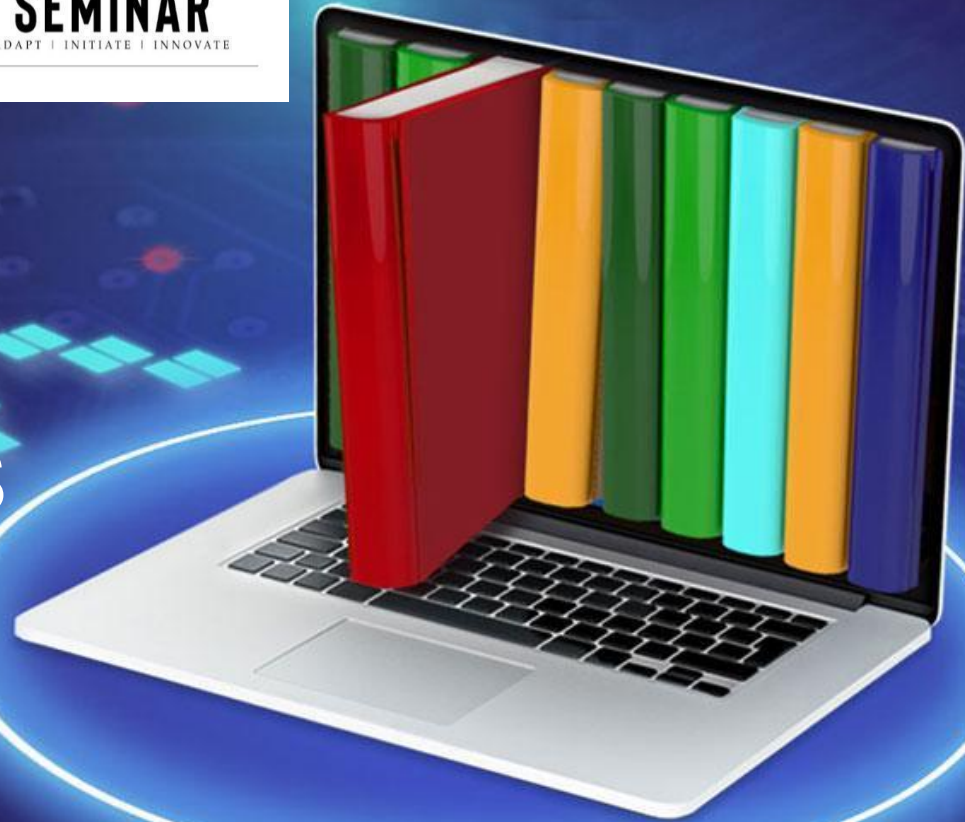




**ACADEMIC
LIBRARIAN
SEMINAR**
ADAPT | INITIATE | INNOVATE

BIBLIOMETRIC ANALYSIS ON EBOOK USAGE IN ACADEMIC UNIVERSITIES



By: Dr. Hjh Adlina Abdullah

Electronic Resources Department, JSRU, PTAR

Content

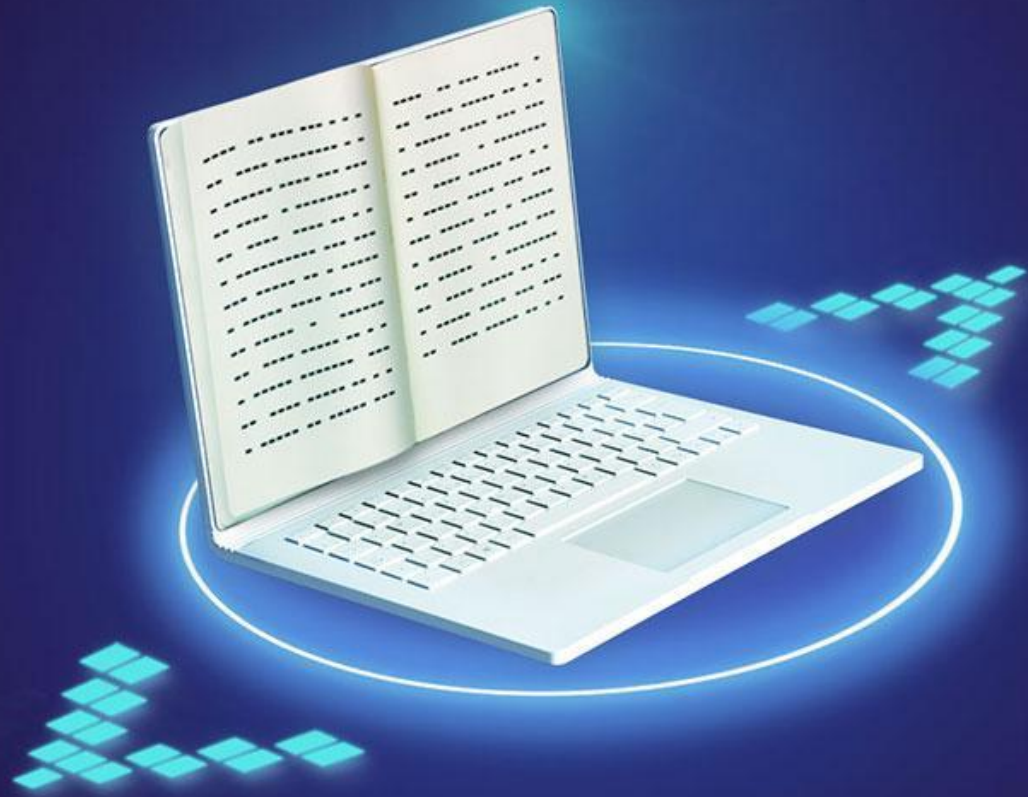
01 INTRODUCTION

02 METHODOLOGY

03 DISCUSSION

04 CONCLUSION





Introduction



Total eBook

32, 375 titles



Difficulties justifying investment on eBook

RM200,000.00



Lack of eBook usage among the users

Decrease : 52.3%

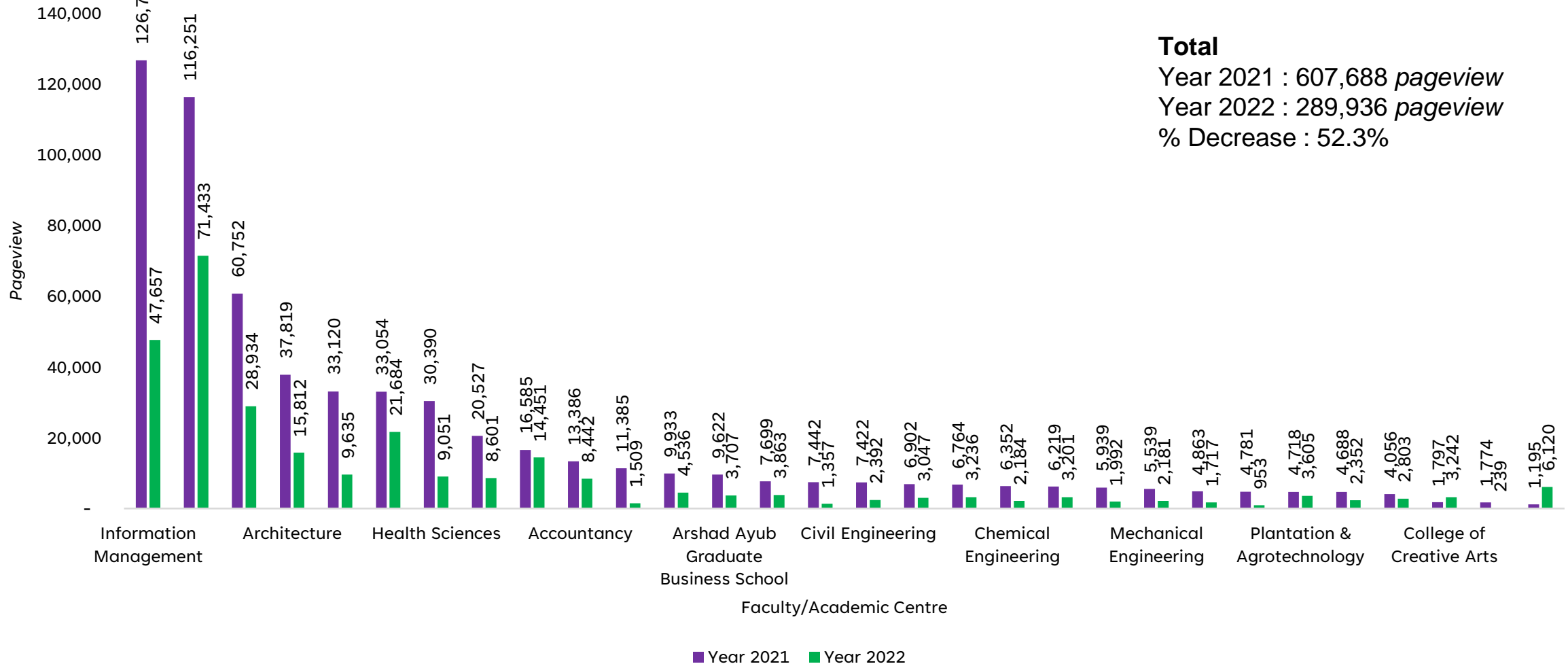


Lack of research on eBook usage in academic environment

677 articles

EBOOK USAGE BY FACULTY/ ACADEMIC CENTRE

EBOOK USAGE BY FACULTY/ACADEMIC CENTRE-YEAR 2022

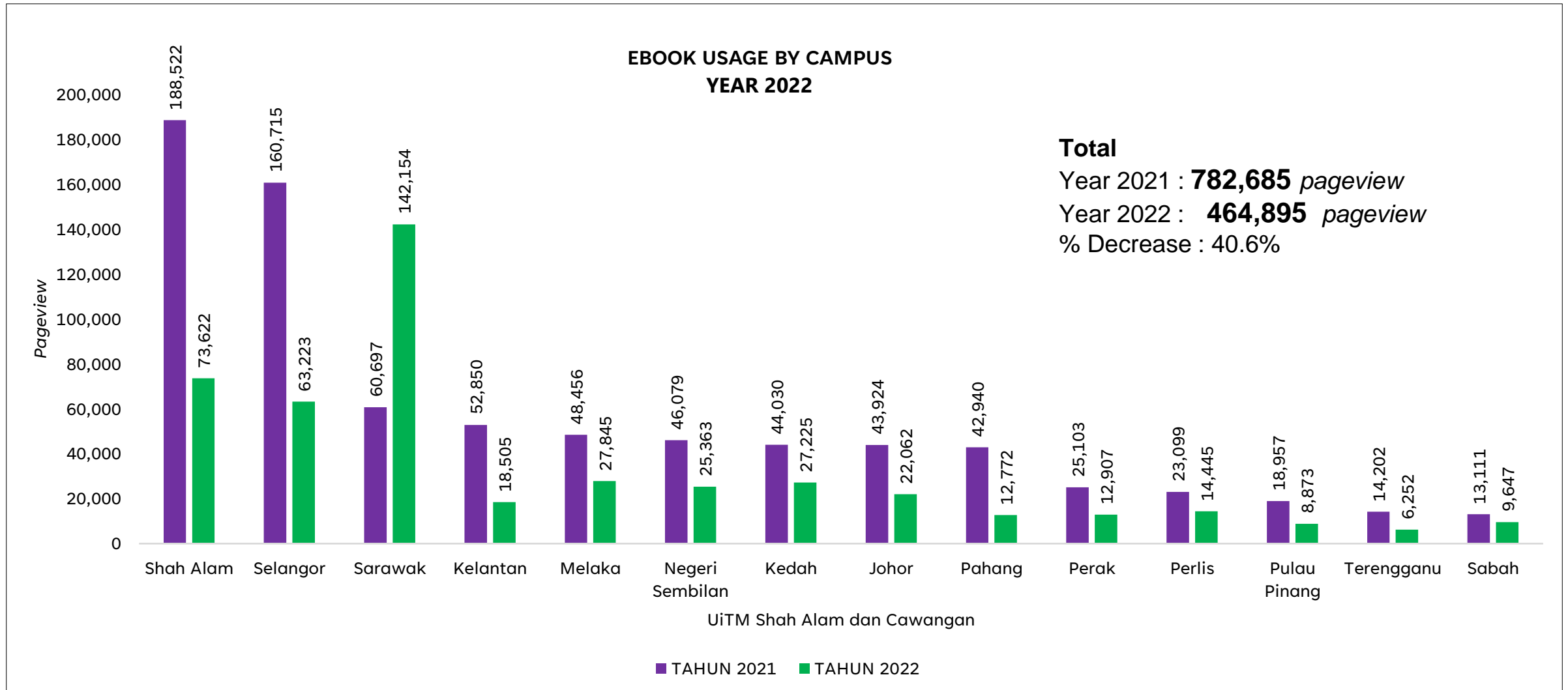


EBOOK USAGE BY FACULTY/ACADEMIC CENTRE

NO.	FACULTY	USAGE YEAR 2021 (PAGEVIEW)	USAGE YEAR 2022 (PAGEVIEW)	DIFFERENCES YEAR 2021-2022 (PAGEVIEW)	% INCREASE/ DECREASE YEAR 2021-2022
1.	College of Engineering	1,195	6,120	4,925	412.1
2.	College of Creative Arts	1,797	3,242	1,445	80.4
3.	Medicine	16,585	14,451	-2,134	-12.9
4.	Plantation & Agrotechnology	4,718	3,605	-1,113	-23.6
5.	Electrical Engineering	4,056	2,803	-1,253	-30.9
6.	Computer Science & Mathematics	33,054	21,684	-11,370	-34.4
7.	Accountancy	13,386	8,442	-4,944	-36.9
8.	Business Management	116,251	71,433	-44,818	-38.6
9.	Hotel Management & Tourism	6,219	3,201	-3,018	-48.5
10.	Pharmacy	7,699	3,863	-3,836	-49.8
11.	Applied Language Studies	4,688	2,352	-2,336	-49.8
12.	Academy of Contemporary Islamic Studies	6,764	3,236	-3,528	-52.2
13.	Applied Science	60,752	28,934	-31,818	-52.4
14.	Communication & Media	9,933	4,536	-5,397	-54.3
15.	Dentistry	6,902	3,047	-3,855	-55.9

EBOOK USAGE BY FACULTY/ACADEMIC

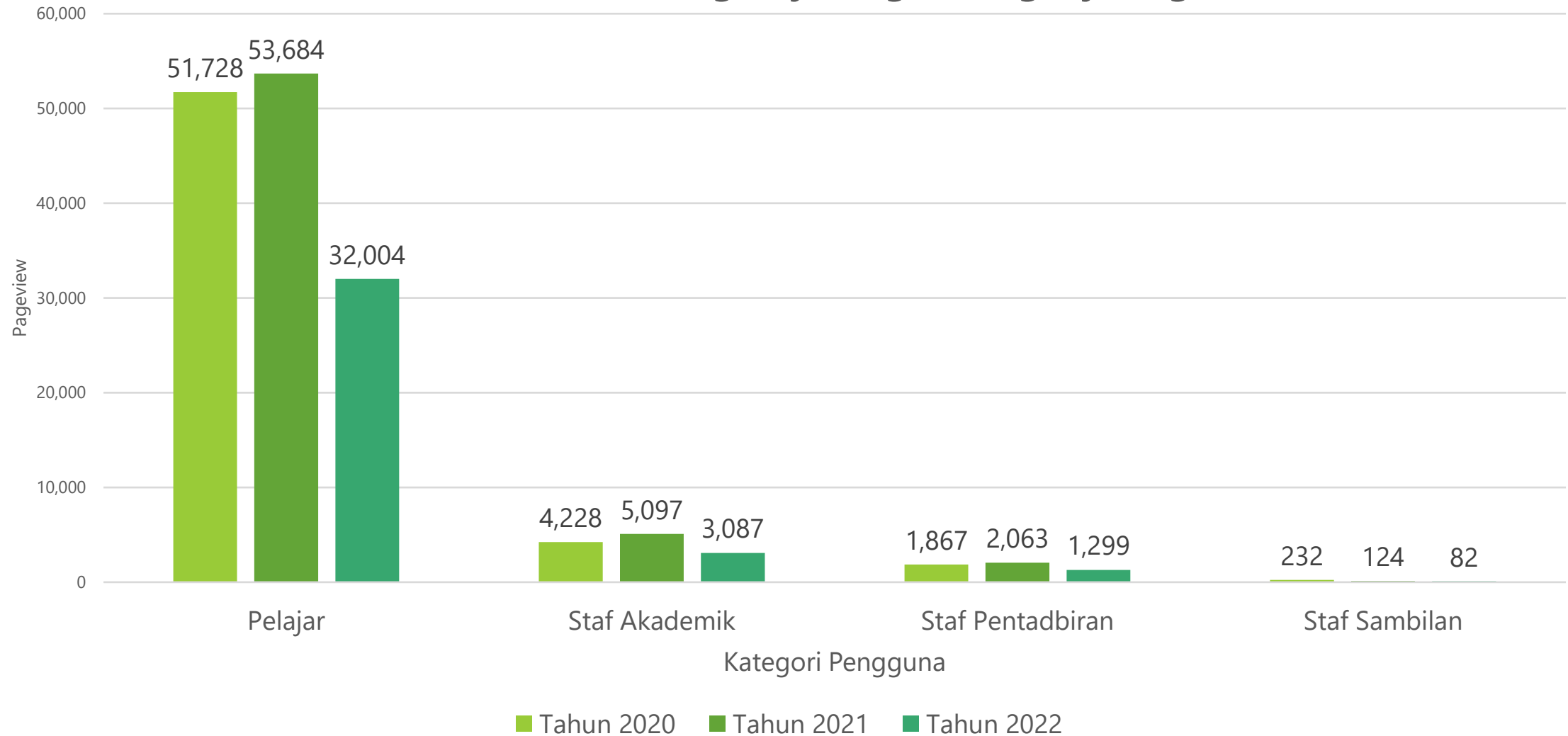
NO.	FACULTY	USAGE YEAR 2021 (PAGEVIEW)	USAGE YEAR 2022 (PAGEVIEW)	DIFFERENCES YEAR 2021-2022 (PAGEVIEW)	% INCREASE/ DECREASE YEAR 2021-2022
16.	Law	20,527	8,601	-11,926	-58.1
17.	Architecture	37,819	15,812	-22,007	-58.2
18.	Mechanical Engineering	5,539	2,181	-3,358	-60.6
19.	Arshad Ayub Graduate Business School	9,622	3,707	-5,915	-61.5
20.	Information Management	126,714	47,657	-79,057	-62.4
21.	Foundation Centre	4,863	1,717	-3,146	-64.7
22.	Chemical Engineering	6,352	2,184	-4,168	-65.6
23.	Education	5,939	1,992	-3,947	-66.5
24.	Civil Engineering	7,422	2,392	-5,030	-67.8
25.	Health Sciences	30,390	9,051	-21,339	-70.2
26.	Administrative Science	33,120	9,635	-23,485	-70.9
27.	Music	4,781	953	-3,828	-80.1
28.	Sport Science & Recreation	7,442	1,357	-6,085	-81.8
29.	Film&Theater & Animation	1,774	239	-1,535	-86.5
30.	Art & Design	11,385	1,509	-9,876	-86.7
	JUMLAH	607,688	289,936	-317,752	-52.3

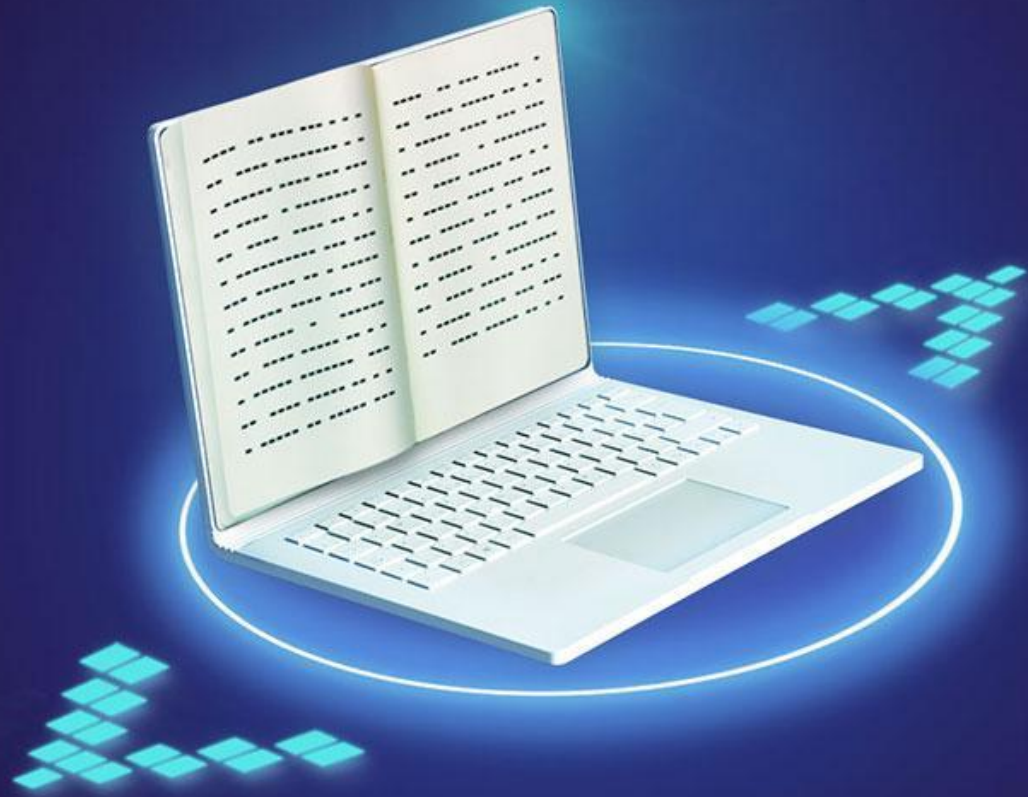


EBOOK USAGE BY CAMPUS

NO.	UITM SHAH ALAM & CAWANGAN	USAGE YEAR 2021 (PAGEVIEW)	USAGE YEAR 2022 (PAGEVIEW)	DIFFERENCES YEAR 2021-2022 (PAGEVIEW)	% INCREASE/ DECREASE YEAR 2021-2022
1.	Sarawak	60,697	142,154	81,457	134.2
2.	Sabah	13,111	9,647	-3,464	-26.4
3.	Perlis	23,099	14,445	-8,654	-37.5
4.	Kedah	44,030	27,225	-16,805	-38.2
5.	Melaka	48,456	27,845	-20,611	-42.5
6.	Negeri Sembilan	46,079	25,363	-20,716	-45.0
7.	Perak	25,103	12,907	-12,196	-48.6
8.	Johor	43,924	22,062	-21,862	-49.8
9.	Pulau Pinang	18,957	8,873	-10,084	-53.2
10.	Terengganu	14,202	6,252	-7,950	-56.0
11.	Selangor	160,715	63,223	-97,492	-60.7
12.	Shah Alam	188,522	73,622	-114,900	-60.9
13.	Kelantan	52,850	18,505	-34,345	-65.0
14.	Pahang	42,940	12,772	-30,168	-70.3
	TOTAL	782,685	464,895	-317,790	-40.6

eBook Usage by Usage Category (Login) Year 2020-2022





Methodology

Bibliometric Analysis



To identify trends in research on a given subject.



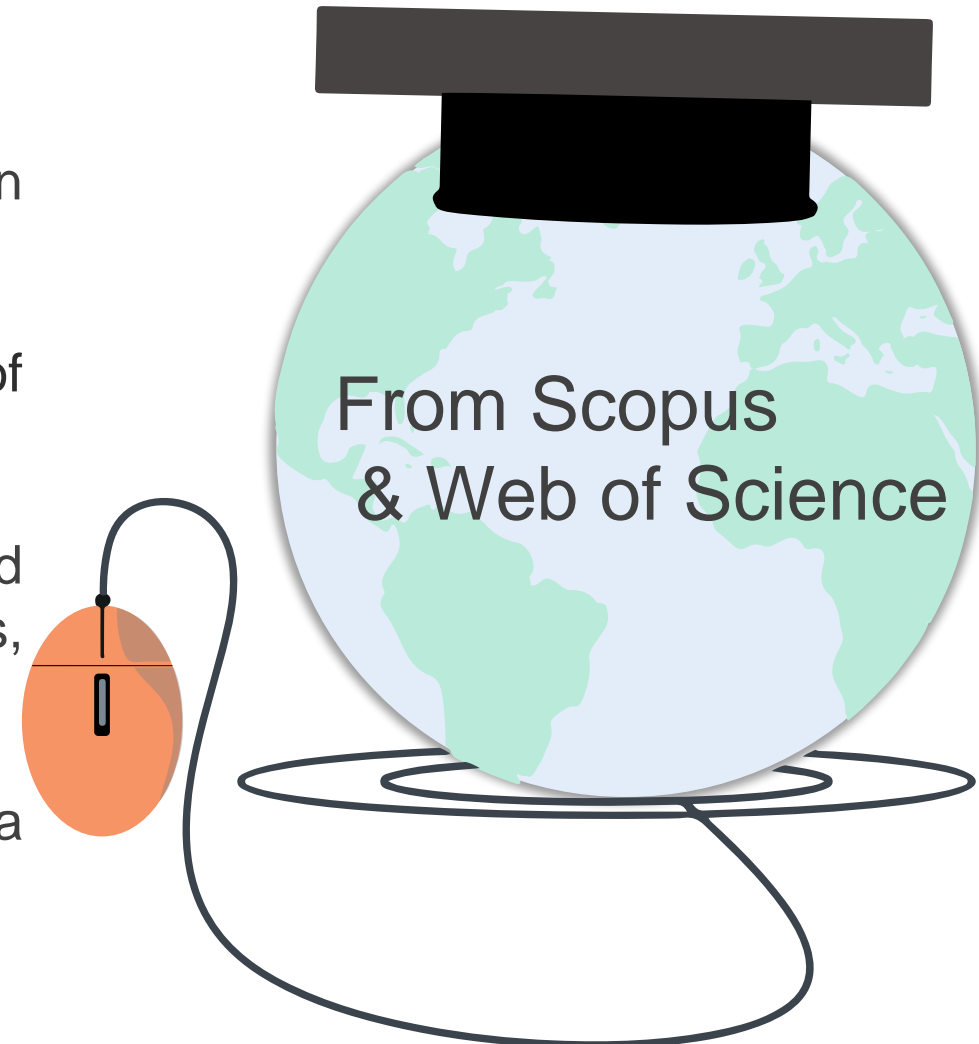
To explore and analyze large volumes of scientific data.



To uncover emerging trends in article and journal performance, collaboration patterns, and research constituents



to explore the intellectual structure of a specific domain in the extant literature



Begin

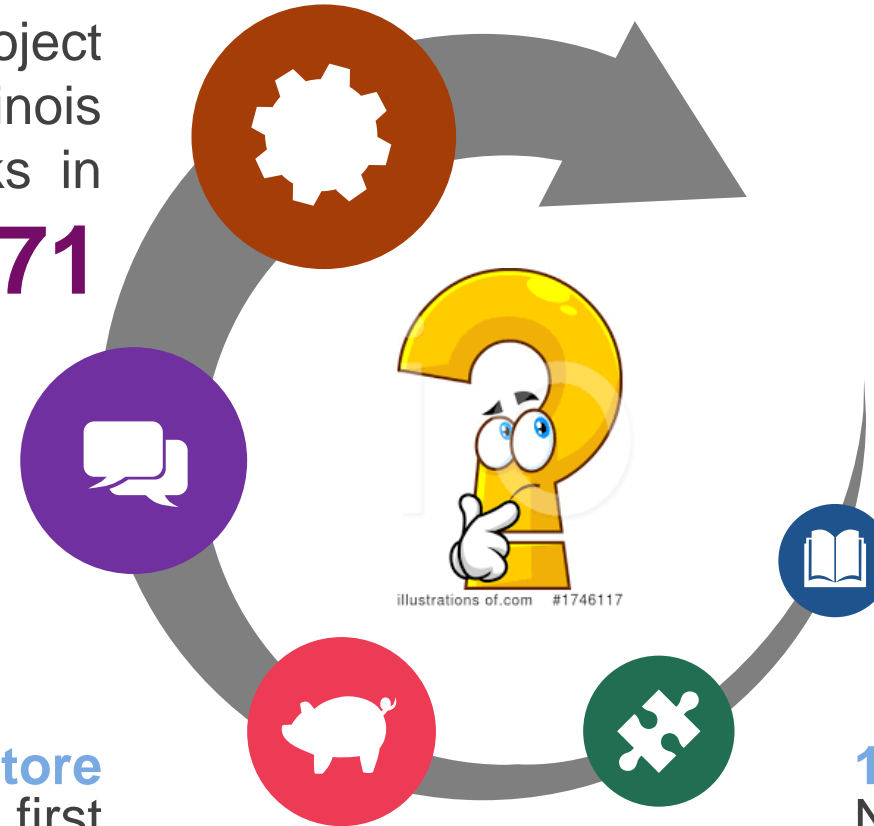
1. Coined by Andries Van Dam in early 1960s & delivery of e book Project Gutenberg at Univ. Illinois start digitizing books in

1971

Complete Works of eBook

e. Complete Works of William Shakespeare as eBook(were written in **1590** and **1613**

Online book store
Amazon.com was the first online bookstore



Ebook Publisher

5 top publishers:

- Penguin Random House,
- Harper Collins,
- Hachette,
- Amazon Publishing and Simon &
- Schuster

Online Books Page

1993, John Mark Ockerbloom founded Online Books Page

1st eBook fulltext

National Academy Press in **1994**



Result & Discussion

PUBLICATIONS

SCOPUS

Publications

383

Total
From 2013-2022

Times Cited

2,163

Total

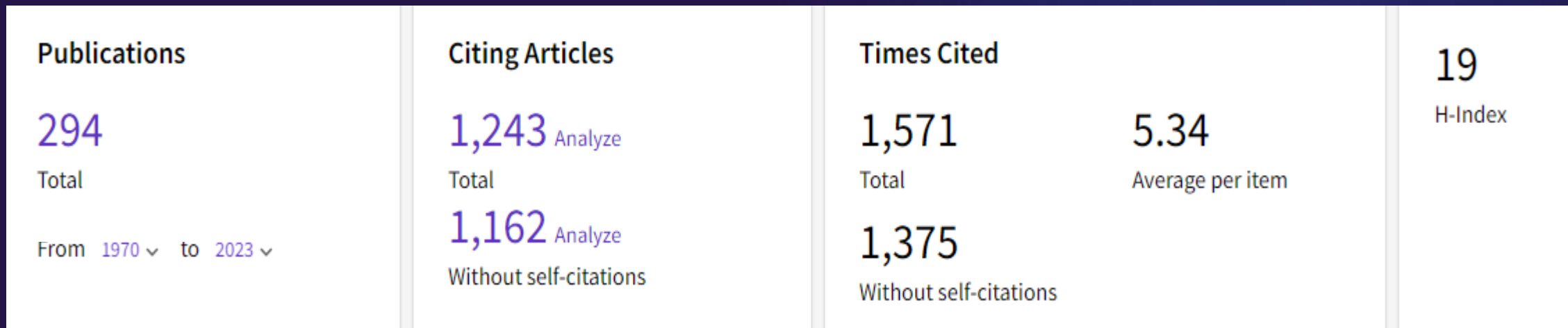
23

H index



PUBLICATIONS

Web of science



Characteristics of articles in Scopus on eBooks literature – 2013-2022

YEAR	TA	%	TC	CPP	AU	AU/TA
2013	38	9.9	468	12	85	2
2014	39	10.2	327	8	103	3
2015	44	11.5	349	8	108	2
2016	38	9.9	241	6	93	2
2017	38	9.9	252	7	104	3
2018	26	6.8	180	7	62	2
2019	37	9.7	114	3	94	3
2020	45	11.7	144	3	106	2
2021	46	12.0	73	2	125	3
2022	32	8.4	13	0	101	3
TOTAL	383	100	2,161	6	981	3

Notes: TA: Total Articles, %; Per Cent of 1582 Articles, TC; Total Citations, CPP; Average Citations Per Article, AU; Total Authors, AU/TA; Average Authors Per Article

Source: SCOPUS

Characteristics of articles in Web of Science on eBooks literature From 2013 till 2022

YEAR	TA		TC	CPP	AU	AU/TA
2013	32	15.0	346	11	74	2
2014	33	15.4	229	7	99	3
2015	36	16.8	334	9	102	3
2016	26	12.1	209	8	65	3
2017	25	11.7	136	5	74	3
2018	34	15.9	138	4	78	2
2019	24	11.2	68	3	59	2
2020	36	16.8	86	2	84	2
2021	29	13.6	41	1	65	2
2022	19	8.9	20	1	74	4
	294	137.4	1,607	5	774	3

Notes: TA: Total Articles, %; Per Cent of 1582 Articles, TC; Total Citations, CPP; Average Citations Per Article, AU; Total Authors, AU/TA; Average Authors Per Article

5 Top Authors



Ogata, Hiroaki

19

H-Index
197

Total Publication



**Majumdar,
Rwitajit**

7

H-Index
59

Total Publication



Goertzen, Melissa

7

H-Index

31

Total Publication



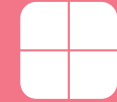
Timpany, Claire

2

H-Index

10

Total Publication



**Vanderschantz,
Nicholas**

2

H-Index

27

Total Publication



4 Top Publishers



1
Text Here

Taylor & Francis
52



Emerald

Emerald
32



Elsevier

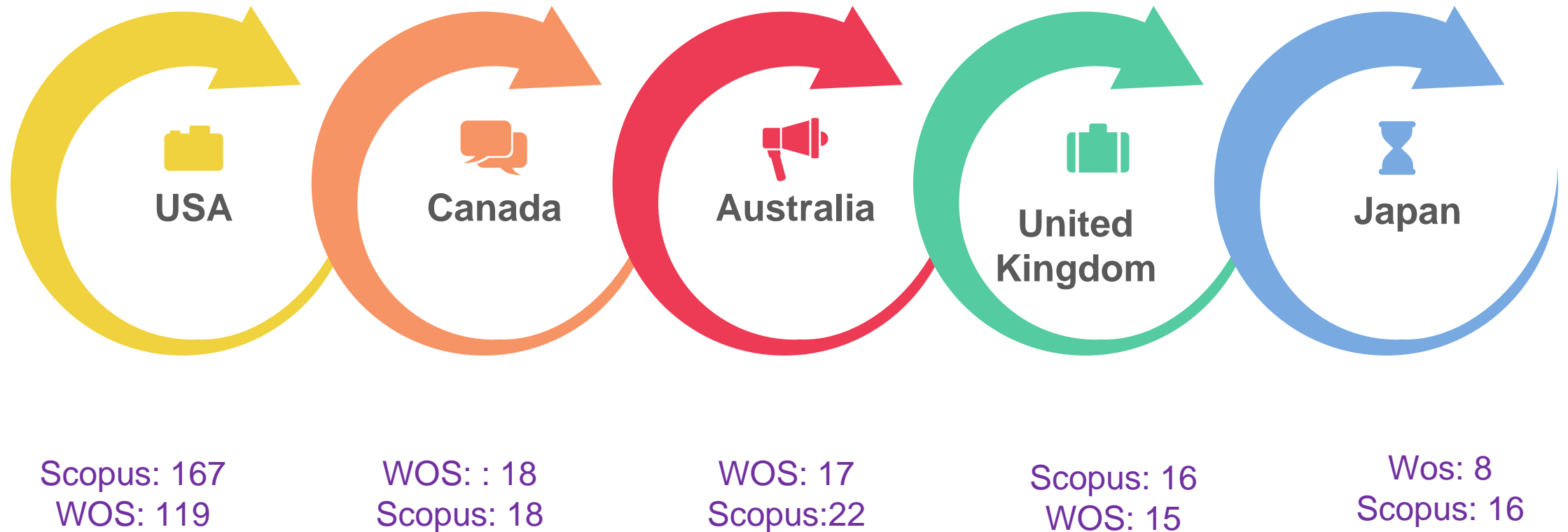
Elsevier
24



Springer

Springer
18

5 Top Countries

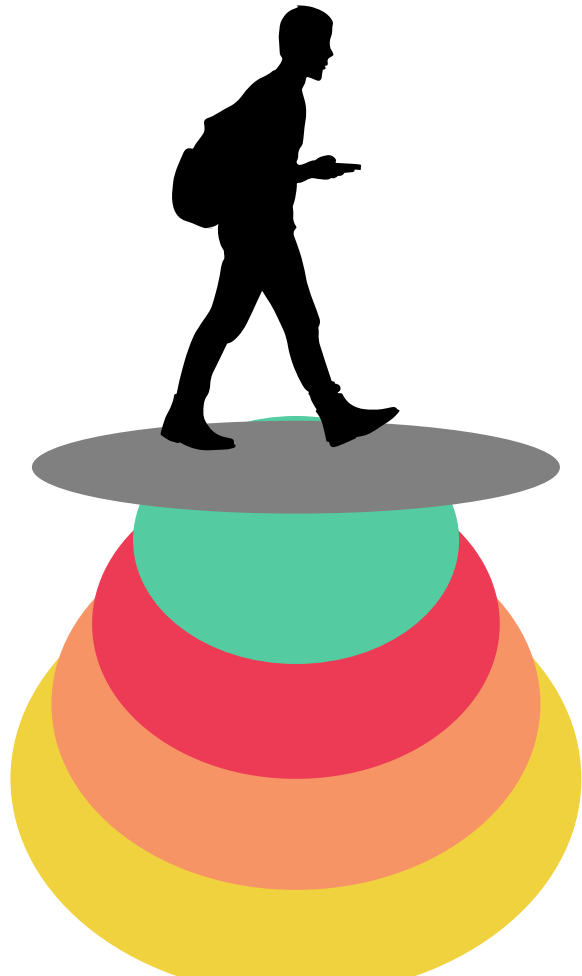




Conclusion

Content Highlight

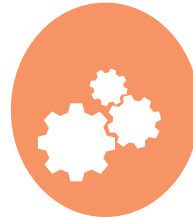
eBook Recent Trend (studies from 2021-2022)



E-text Frustration scale (screen interaction, , technology problem, e-textcurriculum integration (Novak , 2022)



Problem integrate resources into their Learning Management System (LMS) course (Haggerty, et.al, 2022)



Librarians need to understand their patrons' needs as e-book-easy to use and customizable (Kaan, 2021)



Online design workshops helped connect librarians with university representatives and users' representatives to new library service (Succha,et.al 2022)

Content Highlight



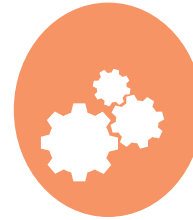
eBook in Malaysia (studies from 2015-2021)



Perception and use of ebook(Alkawaz et al., 2020)



Factor on intention to use e- book are based on Satisfaction, so evaluate ebook features (**user-friendly and less complicated to operate**). (Tri-Agif et al., 2016)



Preferences of e book among medical student in Malaysia & Japan due to **extrinsic learning motivation, workload & ict problem** (Jun Xin et al., 2021)



Mobile eBook features **readability, effectiveness, accessibility, efficiency, and navigation** (Matraf & Hussain, 2018)



THANK YOU